

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/591,990  
Source: IFWP  
Date Processed by STIC: 9/18/06

***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/591,990

CRF Edit Date: 9/18/06  
Edited by: AR

\_\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_\_ Deleted: ✓ invalid beginning/end-of-file text ; ✓ page numbers

\_\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

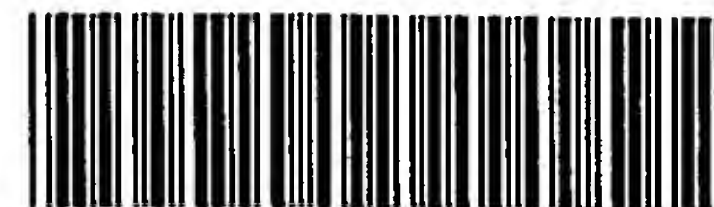
\_\_\_\_\_

\_\_\_\_ Other:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



IFWP

## RAW SEQUENCE LISTING

DATE: 09/18/2006

PATENT APPLICATION: US/10/591,990

TIME: 16:48:00

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09182006\J591990.raw

3 <110> APPLICANT: Japan Science and Technology Agency  
 5 <120> TITLE OF INVENTION: Probes for Detecting Protein Nuclear Transport and Method  
 for Detecting  
 6 and Quantifying Protein Nuclear Transport using the Same  
 8 <130> FILE REFERENCE: 04F057PCT  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/591,990  
 C--> 10 <141> CURRENT FILING DATE: 2006-09-07  
 10 <150> PRIOR APPLICATION NUMBER: JP 2004-066424  
 11 <151> PRIOR FILING DATE: 2004-03-09  
 13 <160> NUMBER OF SEQ ID NOS: 9  
 15 <170> SOFTWARE: PatentIn version 3.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 24  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Simian virus 40  
 22 <400> SEQUENCE: 1  
 24 Asp Pro Lys Lys Lys Arg Lys Val Asp Pro Lys Lys Lys Arg Lys Val  
 25 1 5 10 15  
 28 Asp Pro Lys Lys Lys Arg Lys Val  
 29 20  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 16  
 34 <212> TYPE: PRT  
 35 <213> ORGANISM: Xenopus laevis  
 37 <400> SEQUENCE: 2  
 39 Lys Arg Pro Ala Ala Ile Lys Lys Ala Gly Gln Ala Lys Lys Lys Lys  
 40 1 5 10 15  
 43 <210> SEQ ID NO: 3  
 44 <211> LENGTH: 15  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Human immunodeficiency virus type 1  
 48 <400> SEQUENCE: 3  
 50 Arg Gln Ala Arg Arg Asn Arg Arg Asn Arg Arg Arg Arg Gln Arg  
 51 1 5 10 15  
 54 <210> SEQ ID NO: 4  
 55 <211> LENGTH: 6  
 56 <212> TYPE: PRT  
 57 <213> ORGANISM: Artificial  
 59 <220> FEATURE:  
 60 <223> OTHER INFORMATION: synthesized oligopeptide  
 62 <400> SEQUENCE: 4  
 64 Lys Phe Ala Glu Tyr Cys  
 65 1 5  
 68 <210> SEQ ID NO: 5

## RAW SEQUENCE LISTING

DATE: 09/18/2006

PATENT APPLICATION: US/10/591,990

TIME: 16:48:00

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09182006\J591990.raw

69 <211> LENGTH: 8  
70 <212> TYPE: PRT  
71 <213> ORGANISM: Artificial  
73 <220> FEATURE:  
74 <223> OTHER INFORMATION: synthesized oligopeptide  
76 <400> SEQUENCE: 5  
78 Asp Tyr Lys Asp Asp Asp Asp Lys  
79 1 5  
82 <210> SEQ ID NO: 6  
83 <211> LENGTH: 5  
84 <212> TYPE: PRT  
85 <213> ORGANISM: Artificial  
87 <220> FEATURE:  
88 <223> OTHER INFORMATION: Synthesized oligopeptide  
90 <400> SEQUENCE: 6  
92 Phe Asn Leu Ser His  
93 1 5  
96 <210> SEQ ID NO: 7  
97 <211> LENGTH: 6  
98 <212> TYPE: PRT  
99 <213> ORGANISM: Artificial  
101 <220> FEATURE:  
102 <223> OTHER INFORMATION: synthesized oligopeptide  
104 <400> SEQUENCE: 7  
106 Gly Gly Gly Gly Ser Gly  
107 1 5  
110 <210> SEQ ID NO: 8  
111 <211> LENGTH: 5  
112 <212> TYPE: PRT  
113 <213> ORGANISM: Artificial  
115 <220> FEATURE:  
116 <223> OTHER INFORMATION: synthesized oligopeptide  
118 <400> SEQUENCE: 8  
120 Lys Phe Ala Glu Tyr  
121 1 5  
124 <210> SEQ ID NO: 9  
125 <211> LENGTH: 6  
126 <212> TYPE: PRT  
127 <213> ORGANISM: Artificial  
129 <220> FEATURE:  
130 <223> OTHER INFORMATION: synthesized oligopeptide  
132 <400> SEQUENCE: 9  
134 Cys Phe Asn Leu Ser His  
135 1 5

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/591,990

DATE: 09/18/2006  
TIME: 16:48:01

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\09182006\J591990.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:4,5,6,7,8,9

**VERIFICATION SUMMARY**

**PATENT APPLICATION: US/10/591,990**

**DATE: 09/18/2006**

**TIME: 16:48:01**

**Input Set : A:\PTO.AMC.txt**

**Output Set: N:\CRF4\09182006\J591990.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

## **Raw Sequence Listing before editing (for reference only)**



IFWP

## RAW SEQUENCE LISTING

DATE: 09/15/2006

PATENT APPLICATION: US/10/591,990

TIME: 09:09:45

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\09152006\J591990.raw

3 <110> APPLICANT: Japan Science and Technology Agency  
 5 <120> TITLE OF INVENTION: Probes for Detecting Protein Nuclear Transport and Method  
 for Detecting  
 6 and Quantifying Protein Nuclear Transport using the Same  
 8 <130> FILE REFERENCE: 04F057PCT  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/591,990  
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 11 <151> PRIOR FILING DATE: 2004-03-09  
 13 <160> NUMBER OF SEQ ID NOS: 9  
 15 <170> SOFTWARE: PatentIn version 3.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 24  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Simian virus 40  
 22 <400> SEQUENCE: 1  
 24 Asp Pro Lys Lys Lys Arg Lys Val Asp Pro Lys Lys Lys Arg Lys Val  
 25 1 5 10 15  
 28 Asp Pro Lys Lys Lys Arg Lys Val  
 29 20  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 16  
 34 <212> TYPE: PRT  
 35 <213> ORGANISM: Xenopus laevis  
 37 <400> SEQUENCE: 2  
 39 Lys Arg Pro Ala Ala Ile Lys Lys Ala Gly Gln Ala Lys Lys Lys Lys  
 40 1 5 10 15  
 43 <210> SEQ ID NO: 3  
 44 <211> LENGTH: 15  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Human immunodeficiency virus type 1  
 48 <400> SEQUENCE: 3  
 50 Arg Gln Ala Arg Arg Asn Arg Arg Asn Arg Arg Arg Arg Gln Arg  
 51 1 5 10 15  
 54 <210> SEQ ID NO: 4  
 55 <211> LENGTH: 6  
 56 <212> TYPE: PRT  
 57 <213> ORGANISM: Artificial  
 59 <220> FEATURE:  
 60 <223> OTHER INFORMATION: synthesized oligopeptide  
 62 <400> SEQUENCE: 4  
 64 Lys Phe Ala Glu Tyr Cys  
 65 1 5  
 68 <210> SEQ ID NO: 5

Does Not Comply  
 Corrected Diskette Needed

P.2



## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/591,990

DATE: 09/15/2006

TIME: 09:09:45

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\09152006\J591990.raw

69 <211> LENGTH: 8  
70 <212> TYPE: PRT  
71 <213> ORGANISM: Artificial  
73 <220> FEATURE:  
74 <223> OTHER INFORMATION: synthesized oligopeptide  
76 <400> SEQUENCE: 5  
78 Asp Tyr Lys Asp Asp Asp Asp Lys  
79 1 5  
82 <210> SEQ ID NO: 6  
83 <211> LENGTH: 5  
84 <212> TYPE: PRT  
85 <213> ORGANISM: Artificial  
87 <220> FEATURE:  
88 <223> OTHER INFORMATION: Synthesized oligopeptide  
90 <400> SEQUENCE: 6  
92 Phe Asn Leu Ser His  
93 1 5  
96 <210> SEQ ID NO: 7  
97 <211> LENGTH: 6  
98 <212> TYPE: PRT  
99 <213> ORGANISM: Artificial  
101 <220> FEATURE:  
102 <223> OTHER INFORMATION: synthesized oligopeptide  
104 <400> SEQUENCE: 7  
106 Gly Gly Gly Gly Ser Gly  
107 1 5  
110 <210> SEQ ID NO: 8  
111 <211> LENGTH: 5  
112 <212> TYPE: PRT  
113 <213> ORGANISM: Artificial  
115 <220> FEATURE:  
116 <223> OTHER INFORMATION: synthesized oligopeptide  
118 <400> SEQUENCE: 8  
120 Lys Phe Ala Glu Tyr  
121 1 5  
124 <210> SEQ ID NO: 9  
125 <211> LENGTH: 6  
126 <212> TYPE: PRT  
127 <213> ORGANISM: Artificial  
129 <220> FEATURE:  
130 <223> OTHER INFORMATION: synthesized oligopeptide  
132 <400> SEQUENCE: 9  
134 Cys Phe Asn Leu Ser His  
135 1 5  
136 1/3

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/591,990

DATE: 09/15/2006  
TIME: 09:09:46

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\09152006\J591990.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:4,5,6,7,8,9

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/591,990

DATE: 09/15/2006

TIME: 09:09:46

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\09152006\J591990.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date